

Abstract

A universal, ultra-high definition, accurate color, light, and object rendering, advising, and coordinating system for displaying colors, objects, and light and enabling an accurate rendering of a color, room, building, object, person, or landscape. The system includes an image procuring device for procuring input images, a memory device, a processor and a display device with all elements calibrated and coordinated to ensure that a color viewed and procured in situ by the image procuring device will be identically displayed on the display device. The system can combine reference images with display images in a consistent, scaled relationship and can display those images with a variety of lighting effects. Furthermore, the system can make design suggestions in light of designer input, design research, and historic information in furtherance of design goals while accommodating constraining elements. The system can be used relative to building structures, clothing, automobiles, persons, and a plurality of further structures, objects, and products.